11-14-02 1635/18

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Braun *et al.*

Serial No.   09/687,483
Confirmation No.: 7859

Filed: October 13, 2000

For: METHODS FOR GENERATING
DATABASES AND DATABASES FOR
IDENTIFYING POLYMORPHIC
GENETIC MARKERS

Art Unit: 1631

Examiner: Clow, Lori A.

TRANSMITTAL LETTER

Commissioner for Patents
P. O. Box 2327
Arlington, VA 22202

Dear Sir:

Transmitted herewith are an Amendment, responsive to the Office Action mailed May 13, 2002 (28 pages); marked-up paragraphs and claims showing changes made, in accord with 37 CFR §1.121 (3 pages); a Petition under 37 C.F.R. §1.48(b) (2 pages); a check in the amount $590 for the fee for a three-month extension of time ($460) and the petition fee ($130); and a return postcard. If a Petition for extension of time is needed, this paper is to be considered such Petition.

[X]   The Commissioner is hereby authorized to charge the deficiency in the above check and any fee that may be due in connection with this and the attached papers, or with this application during its entire pendency to or to credit any overpayment to Deposit Account No. 50-1213. A duplicate of this sheet is enclosed.

11/15/2002 GMORDOF1 00000052 09687483
02 FC:2253   460.00 OP

Respectfully submitted,
HELLER EHRMAN WHITE & MCAULIFFE LLP

By: _____
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AMENDMENT

Commissioner for Patents
P. O. Box 2327
Arlington, VA 22202

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TECH CENTER 1600/2900

Dear Sir:

Responsive to the Office Action, mailed May 13, 2002, entry of the following amendments and consideration of the following remarks are respectfully requested.

IN THE APPLICATION:

Please delete Hubert Köster, Yip Ping, Charles Rodi, Liyan He, Dirk Van Den Boom and Christian Jurinke and Norman Chiu as inventors.

IN THE SPECIFICATION:

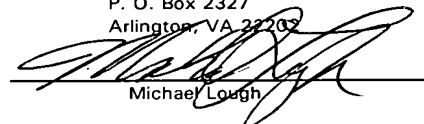**Please replace the paragraph on page 108, lines 15-21, with the following paragraph.**

Referring to FIG. 51, a residual error is calculated by taking a root mean square calculation between the Gaussian 293 and the putative peak 290 in the data signal. The calculation is performed on data within one width on either side of a center line of the Gaussian. The residual error is calculated as: $\sqrt{(G-R)^2}/N$ where G is the Gaussian signal value, R is the putative peak value, and N is the number of points from –W to +W. The calculated residual error is used to generate an adjusted signal-to-noise ratio, as described below.

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OFFICE OF PETITIONS